# INDEX TO VOLUME XXV


BALDWIN, P. The Linear Stability of Flow in a Circular Pipe in the presence of a Strong Transverse Magnetic Field . . 333

BECKETT, P. and POOTS, G. Laminar Film Condensation in Forced Flows . . . . . 125

BOOKER, J. R. A Method of Integration for the Equations of Plasticity of a Weightless Cohesive Frictional Material . . 63

CAMPBELL, J. D. and TSAO, M. C. C. On the Theory of Transient Torsional Wave Propagation in a Circular Cylinder . . 173

COOKE, J. C. The Solution of Triple and Quadruple Integral Equations and Fourier-Bessel Series . . . . . 247

DAVIS, STEPHEN H. On the Stability of Flows started from Rest . 459

FAMA, MARY E. DUNCAN. Radial Eigenfunctions for the Elastic Circular Cylinder . . . . . 479

FORSTER, W. On Maxwell's Equations in Three-dimensional Anisotropic Periodic Media : Tensor Formulation of the Problem and the *N*-Beam Approximation . . . . . 349

GREEN, A. E. and LAWS, N. On a Global Entropy Production Inequality . . . . . 1

HEADING, J. Generalization of Booker's Theorem . . . 207

JACOBS, CLAIRE. Transient and Steady State Vorticity generated by Horizontal Temperature Gradients . . . . . 303

KEER, LEON M., see STAHL, BERNHARD.

KELLEHER, MATTHEW and YANG, KWANG-TZU. A Görtler-type Series for Laminar Free Convection along a Non-isothermal Vertical Plate . . . . . 447

KIDA, T. and MIYAI, Y. Wall Effect in Cavitating Flow Past a Thin Jet-flapped Foil . . . . . 83

LARDNER, R. W. Dislocation Layers and Boundary-value Problems of Plane Elasticity . . . . . 45

LAWRENCE, E. G. Diffraction of Elastic Waves by a Rigid Ellipsoid . . . . . 161

LAWS, N., see GREEN, A. E.

LEPPINGTON, FRANK and LEVINE, HAROLD. On the Problem of Closely Separated Circular Discs at Equal Potential . . 225

LEVINE, HAROLD, see LEPPINGTON, FRANK

MACK, LAWRENCE R. and THOMPSON, ERIK G. Perturbation Method for Slow Viscous Flow with a Free Surface . . 105

MIYAI, Y., see KIDA, T.

MORLEY, L. S. D. Polynomial Stress States in First Approximation Theory of Circular Cylindrical Shells . . . . . 13

OCKENDON, H. An Asymptotic Solution for Steady Flow above an Infinite Rotating Disc with Suction . . . . . 291

POOTS, G., see BECKETT, P.

POOTS, G., see RILEY, D. S.

PRIEST, E. R. Sweet's Mechanism for the Destruction of Magnetic Flux . . . . . 319

REID, S. R. The Influence of Non-linearity upon the Reflection of Finite Amplitude Shock Waves in Elastodynamics . . 185

RILEY, D. S. and POOTS, G. Thermal Convection in a Heated Vertical Corner . . . . . 401

RILEY, N. Surface Reactions in Similar Boundary Layers . . 273

ROBERTS, A. M. On the Steady Motion of a Line Load over a Coupled Thermoelastic Half-space, Subsonic Case . . . 497

SPENCER, A. J. M. Plane Strain Bending of Laminated Fibre-reinforced Plates . . . . . 387

STAHL, BERNHARD and KEER, LEON M. Vibration and Buckling of a Rectangular Plate with an Internal Support . . . 467

THOMPSON, ERIK G., see MACK, LAWRENCE R.

TSAO, M. C. C., see CAMPBELL, J. D.

WALPOLE, L. J. The Elastic Behaviour of a Suspension of Spherical Particles . . . . . 153

WILLIS, J. R. The Penny-shaped Crack on an Interface . . 367

WATSON, A. The Effect of the Inversion Temperature on the Convection of Water in an Enclosed Rectangular Cavity . 423

YANG, KWANG-TZU, see KELLEHER, MATTHEW.

YU, JAMES C. M. A New Variational Principle . . . . . 265

63 US
7/11

105

13

291

319

185

401

273

497

387

467

153

367

423

265